```
?show files; ds
File  15:ABI/Inform(R) 1971-2004/May 24
         (c) 2004 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2004/May 25
         (c) 2004 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/May 25
         (c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/May 25
         (c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/May 24
         (c) 2004 The Gale Group
File   9:Business & Industry(R) Jul/1994-2004/May 24
         (c) 2004  The Gale Group
File  20:Dialog Global Reporter 1997-2004/May 24
         (c) 2004 The Dialog Corp.
File 476:Financial Times Fulltext 1982-2004/May 25
         (c) 2004 Financial Times Ltd
File 610:Business Wire 1999-2004/May 25
         (c) 2004 Business Wire.
File 613:PR Newswire 1999-2004/May 25
         (c) 2004 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2004/May 25
         (c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2004/May 22
         (c) 2004 San Jose Mercury News
File 636:Gale Group Newsletter DB(TM) 1987-2004/May 25
         (c) 2004 The Gale Group
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File   2:INSPEC 1969-2004/May W3
         (c) 2004 Institution of Electrical Engineers
File  35:Dissertation Abs Online 1861-2004/Apr
         (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/May W4
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File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Apr
         (c) 2004 The HW Wilson Co.
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Apr
         (c)2004 Info.Sources Inc
File 474:New York Times Abs 1969-2004/May 24
         (c) 2004 The New York Times
File 475:Wall Street Journal Abs 1973-2004/May 24
         (c) 2004 The New York Times
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group

Set     Items   Description
S1     706366   (REPLAC? OR MODIF? OR SWITCH?) (10N) (EQUIPMENT OR SYSTEM)
S2     109537   NEW (10N) PROCESSOR
S3     571056   NEW (10N) EQUIPMENT
S4        119   S1 (S) S2 (S) S3
S5        169   TABLE (10N) (CORRESPOND? (10N) ADDRESS?)
S6          0   S4 AND S5
S7          0   S4 AND S5
S8      18797   TABLE? (10N) ADDRESS?
S9        154   S5 AND S8
S10         0   S4 AND S9
S11     19196   CORRESPOND? (10N) ADDRESS?
S12       169   S5 AND S11
S13         0   S4 AND S11
```

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S14          154   S5 AND S8
S15          169   S5 AND S11
S16          154   S14 AND S15
S17            0   S4 AND S11
S18            1   S4 AND S8
?
```

18/9,K/1 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire

00935320 20030217PHM006 (THIS IS THE FULLTEXT)
Agere Systems Announces World's Fastest Network Processor
PR Newswire
Monday, February 17, 2003 00:02 EST
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,535

TEXT:
ALLENTOWN, Pa., Feb. 17 /PRNewswire-FirstCall/ - Agere Systems (NYSE: AGR.A, AGR.B) today announced the world's fastest network processor that integrates four separate chips into one. This next generation network processor, called the PayloadPlus(R) APP540, makes possible revolutionary improvements in product development costs, service revenue capabilities, and reliability of communications network **equipment** for the next several years.

Agere's **new** chip can reduce product development costs -- a critical metric in the current cash-con strained market -- by at least 50 percent compared with the nearest contending chips.

Korea-based Electronics and Telecommunications Research Institute (ETRI), one of the world's leading information technology research and development organizations, has selected Agere's **new** APP540 network **processor** as the key engine for creating Korea Telecom's country-wide next generation network. ETRI, which has a long-standing relationship with Agere, has been instrumental in enabling Korea to achieve the highest percentage of broadband connections to citizens of any country in the world.

Agere's key technical breakthrough centers on integrating four separate devices -- programmable traffic manager, multi-field classifier search engine, network processor, and Ethernet media access controller (MAC) -- into a single device capable of processing information at speeds of 5 gigabits per second (Gbits/s). Competing products require at least two chips, and in several cases three or more, to perform these four different functions at comparable speeds.

Using fewer chips decreases electronics costs, power consumption, and equipment size, as well as increases reliability.

Classification, traffic management, and network processing function like three different traffic police officers working in unison with separate yet inter-dependent functions. The classifier determines what should be done with the voice, data, or video information entering communications equipment. The network processor obeys processing and forwarding directions the classifier gives it. Robust traffic management helps control the flow of information exiting the network processor to most efficiently use the available bandwidth.

Robust traffic management, which supports true bandwidth and delay guarantees to 8,192 queues or more of individually scheduled streams of traffic, is important to support high-value service-level agreements for telecom carriers.

The Ethernet MAC allows direct connection to Ethernet, the world's most

popular form of data communications.

Roughly one-fourth the size of a credit card, Agere's APP540 chip is part of Agere's growing family of integrated Payload Plus network processors, traffic management and system software solutions used in communications equipment platforms. The PayloadPlus family has been selected for use in more than 70 system designs, more than half of which are top-tier manufacturers of communications equipment. In the multi-service equipment chip business, Agere possesses greater than 50 percent market share of the top-tier customers.

"Now more than ever, the communications equipment and service markets care about reducing capital and operations costs, rapidly and easily deploying new revenue generating services, and offering quick, simple, and flexible access to services over current and future networks," said Linley Gwennap, principal analyst with The Linley Group, a California-based semiconductor technology research company. "Agere's new highly integrated solution offers substantial cost reduction and programmability benefits that will maximize the value service providers can extract from their network investments.

"Agere is a leader in traffic management, having developed several generations of successful products," Gwennap added. "This technology puts the company in a strong position as traffic management becomes integrated into the network processor."

According to Ryan, Hankin, and Kent, a market research company, Agere ranks first in the world in sales of traffic management chips.** "Building chips that do network processing but not traffic management is like building a road system without traffic signals such as stoplights and yield signs," said John Rolfe, marketing manager with Agere Systems.

"Recognizing the challenging environment in the communications market, Agere has been investing in advanced system chips targeted at platforms that can be consolidated and re-used across various equipment," said Mark Pinto, vice president of Agere's network processor business. "Our customers keep coming back to us with the same messages: cost reduction, multi-service revenue generation, and better reliability -- all provided in fewer and more flexible platforms. That's what this new integrated chip is all about."

Agere's PayloadPlus chips are used in various types of corporate office building and telecommunications central office **equipment** . Such **equipment** includes multi-service provisioning platforms and **switches** , routers, data center **switches** , 2.5-generation and third-generation wireless **equipment** , Ethernet over Synchronous Optical Network (SONET) /Synchronous Digital Hierarchy (SDH) add/drop multiplexers, and SONET transmission systems.

"There is some ambiguity in the industry around what exactly is a network processor," said Agere's Pinto. "Some think it's a general purpose micro processor with networking interfaces and large data buffers. Some call it a look-up engine. Others a traffic manager. Still others consider it a segmentation and reassembly controller engine. Agere Systems believes network processors require the interworking of all of the above, as embodied in the single chip APP540.

"As an alternative, the industry could define the collection of chips, that perform traffic management, classification, and other network

processor
functions, required in a given system as traffic processors," Pinto added. "Because that's what the chips do, process traffic. The APP500 family offers
the full range of these functions in single chips, thereby lowering development costs, power and size of equipment."

Agere's APP540 chip uses external dynamic random access memory (DRAM) chips to house classification **tables** and rules. Competitors use content **addressable** memory (CAM) or static random access memory (SRAM) chips. In a
cost per information bit comparison, CAMs are more than 100 times more expensive and consume more power than DRAMs. Agere didn't just integrate four
devices and memory on a single chip. Rather, it developed an architecture that
takes advantage of all the various functions and inter-dependencies of those
functions onto a single device.

As part of Agere's broad portfolio of network processor-based solutions,
Agere also provides a high-level, application-oriented software programming environment. This environment, which can reduce both the complexity and size
of software code required by a factor of 25 or more, is included in Agere's Festino(TM) comprehensive hardware and software development platform. Equipment makers using Festino can deliver their product to market several months faster and accomplish in days what would normally take them months using alternative technologies. Furthermore, the reduction in software complexity and size can save millions of dollars in software-related costs over the life of the equipment.

Agere Systems is also announcing today the PayloadPlus APP520 chip, which
is essentially the same device as the APP540 yet targeted at lower-cost applications. Agere's two new chips are completely designed and ready for manufacturing now. They are scheduled to start sampling to customers in April.
In quantities of 10,000, the chips are priced at $295 and $195 respectively.

For more product information, customers may call the Agere Systems Customer Response Center, 1-800-372-2447, Dept. B02 (in Canada, 1-800-553-2448, Dept. B02, fax number 1-610-712-4106, especially for callers outside of
North America) or write to Agere Systems, Room 10A-301C, 1110 American Parkway
NE, Lehigh Valley Central Campus, Allentown, Pa. 18109. Customers may also go
to the following web site: http://www.agere.com/micro/his or email: docmaster@agere.com.

Agere Systems is a premier provider of advanced integrated circuit solutions that access, move and store network information. Agere's access portfolio enables seamless network access and Internet connectivity through its industry-leading WiFi/802.11 solutions for wireless LANs and computing applications, as well as its GPRS offering for data-capable cellular phones.
The company also provides custom and standard multi-service networking solutions, such as broadband Ethernet-over-SONET/SDH components and wireless
infrastructure chips, to move information across metro, access and enterprise
networks. Agere is the market leader in providing integrated circuits such as
read-channel chips, preamplifiers and system-on-a-chip solutions for high-density storage applications. Agere's customers include the leading PC manufacturers, wireless terminal providers, network equipment suppliers and hard-disk drive providers. More information about Agere Systems is available

from its Web site at http://www.agere.com.

Agere's Forward-Looking Statements

This release contains forward-looking statements based on information available to Agere as of the date hereof. Agere's actual results could differ materially from the results stated or implied by such forward-looking statements due to a number of risks and uncertainties. These risks and uncertainties include, but are not limited to, keeping pace with technological change, dependence on new product development, price and product competition, availability of manufacturing capacity, customer demand for our products and services, general industry and market conditions, timely completion of employment reductions and other restructuring and consolidation activities, limits on our ability to issue equity to raise capital and reliance on major customers and suppliers. For a further discussion of these and other risks and uncertainties, see our annual report on Form 10-K for the fiscal year ended September 30, 2002. Agere disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

* ETRI
** Ryan, Hankin, and Kent

SOURCE Agere Systems
CONTACT: Charlie Hartley, +1-610-712-1728, +1-908-507-6631 (cellular), cjhartley@agere.com; or Steve Goldsmith, +1-610-712-6737, +1-484-357-0216, (cellular), goldsmith@agere.com, both of Agere Systems
Web site: http://www.agere.com/micro/his
Web site: http://www.agere.com

COMPANY NAMES: Agere Systems; KOREA TELECOM CORP; KOREA TELECOMMUNICATION AUTHORITY; LINLEY GROUP INC; LINLEY INC; LINLEY BROTHERS LTD; LINLEY LTD
INDUSTRY NAMES: CORPORATE; MARKETING; NEW PRODUCT DEVELOPMENT; COMMUNICATIONS TECHNOLOGIES; COMPANY PROFILES; COMPUTER HARDWARE; COMPUTER MEMORY; COMPUTER SOFTWARE; COMPUTERS; DATA COMMUNICATIONS; ECONOMIC DEVELOPMENT; ECONOMIC INDICATORS; ELECTRONIC COMPONENTS; ELECTRONICS INDUSTRY; INFRASTRUCTURE; INTERNET; MICROCHIPS; MOBILE COMMUNICATIONS; NETWORKS; RADIO COMMUNICATION; RESEARCH AND DEVELOPMENT; SCIENCE; SEMICONDUCTORS; TECHNOLOGY DEVELOPMENT; TELECOMMUNICATIONS; TRAFFIC; TRANSPORT
EVENT NAMES: PRODUCT LAUNCHES; NEW PRODUCT DEVELOPMENT; ADVERTISING AND PROMOTION; CORPORATE FINANCIAL DATA; MANUFACTURING AND PRODUCTION; MARKET RESEARCH; PRODUCT APPLICATIONS; PRODUCTIVITY; RESEARCH AND DEVELOPMENT; TECHNOLOGY DEVELOPMENT

TEXT:
...possible revolutionary improvements in product development costs, service revenue capabilities, and reliability of communications network **equipment** for the next several years.
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...of the world's leading information technology research and development organizations, has selected Agere's **new** APP540 network **processor** as the

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ETRI...
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,
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a
cost per information bit...
?

```
Set      Items   Description
S1      706366   (REPLAC? OR MODIF? OR SWITCH?) (10N) (EQUIPMENT OR SYSTEM)
S2      109537   NEW (10N) PROCESSOR
S3      571056   NEW (10N) EQUIPMENT
S4         119   S1 (S) S2 (S) S3
S5         169   TABLE (10N) (CORRESPOND? (10N) ADDRESS?)
S6           0   S4 AND S5
S7           0   S4 AND S5
S8       18797   TABLE? (10N) ADDRESS?
S9         154   S5 AND S8
S10          0   S4 AND S9
S11      19196   CORRESPOND? (10N) ADDRESS?
S12        169   S5 AND S11
S13          0   S4 AND S11
S14        154   S5 AND S8
S15        169   S5 AND S11
S16        154   S14 AND S15
S17          0   S4 AND S11
S18          1   S4 AND S8
?save temp
Temp SearchSave "TD097" stored
?
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SYSTEM:OS  - DIALOG OneSear
  File   2:INSPEC  1969-2002/Sep W4
         (c) 2002 Institution of Electrical Engineers
*File   2: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
  File  35:Dissertation Abs Online  1861-2002/Aug
         (c) 2002 ProQuest Info&Learning
  File  65:Inside Conferences  1993-2002/Sep W4
         (c) 2002 BLDSC all rts. reserv.
  File  77:Conference Papers Index  1973-2002/Sep
         (c) 2002 Cambridge Sci Abs
*File  77: As of October 1, 2002,Conference Papers Index will no longer
be available. See HELP CSA77 for a list of alternative files.
  File  99:Wilson Appl. Sci & Tech Abs  1983-2002/Aug
         (c) 2002 The HW Wilson Co.
  File 233:Internet & Personal Comp. Abs.  1981-2002/Sep
         (c) 2002 Info. Today Inc.
  File 256:SoftBase:Reviews,Companies&Prods.  82-2002/Aug
         (c)2002 Info.Sources Inc
  File 474:New York Times Abs  1969-2002/Sep 24
         (c) 2002 The New York Times
  File 475:Wall Street Journal Abs  1973-2002/Sep 24
         (c) 2002 The New York Times
  File 583:Gale Group Globalbase(TM)  1986-2002/Sep 24
         (c) 2002 The Gale Group

      Set  Items  Description
      ---  -----  -----------
?s (building or warehouse or house or home or facility) (s) computer and computer (s) c
ontrol????
          276573  BUILDING
           19419  WAREHOUSE
          178256  HOUSE
          192736  HOME
          132937  FACILITY
         1242213  COMPUTER
           35554  ((((BUILDING OR WAREHOUSE) OR HOUSE) OR HOME) OR
                  FACILITY)(S)COMPUTER
         1242213  COMPUTER
         1722496  CONTROL????
          145576  COMPUTER(S)CONTROL????
      S1    6284  (BUILDING OR WAREHOUSE OR HOUSE OR HOME OR FACILITY) (S)
                  COMPUTER AND COMPUTER (S) CONTROL????
?s s1 and computer (s) replac?????
            6284  S1
         1242213  COMPUTER
          202194  REPLAC?????
           10834  COMPUTER(S)REPLAC?????
      S2     166  S1 AND COMPUTER (S) REPLAC?????
?s s2 not py>2000
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
             166  S2
         1723891  PY>2000
      S3     158  S2 NOT PY>2000
?RD
...examined 50 records  (50)
...examined 50 records  (100)
...examined 50 records  (150)
...completed examining records
      S4     152  RD (unique items)
```

```
SYSTEM:OS  - DIALOG OneSear
  File  15:ABI/Inform(R)  1971-2002/Sep 24
        (c) 2002 ProQuest Info&Learning
*File  15: Alert feature enhanced for multiple files, duplicate
removal, customized scheduling. See HELP ALERT.
  File  16:Gale Group PROMT(R)  1990-2002/Sep 25
        (c) 2002 The Gale Group
*File  16: Alert feature enhanced for multiple files, duplicate
removal, customized scheduling. See HELP ALERT.
  File 148:Gale Group Trade & Industry DB  1976-2002/Sep 25
        (c)2002 The Gale Group
*File 148: Alert feature enhanced for multiple files, duplicate
removal, customized scheduling. See HELP ALERT.
  File 160:Gale Group PROMT(R)  1972-1989
        (c) 1999 The Gale Group
  File 275:Gale Group Computer DB(TM)  1983-2002/Sep 25
        (c) 2002 The Gale Group
  File 621:Gale Group New Prod.Annou.(R)  1985-2002/Sep 24
        (c) 2002 The Gale Group
  File   9:Business & Industry(R)  Jul/1994-2002/Sep 24
        (c) 2002 Resp. DB Svcs.
  File  20:Dialog Global Reporter  1997-2002/Sep 25
        (c) 2002 The Dialog Corp.
  File 476:Financial Times Fulltext  1982-2002/Sep 25
        (c) 2002 Financial Times Ltd
  File 610:Business Wire  1999-2002/Sep 25
        (c) 2002 Business Wire.
*File 610: File 610 now contains data from 3/99 forward.
Archive data (1986-2/99) is available in File 810.
  File 613:PR Newswire  1999-2002/Sep 25
        (c) 2002 PR Newswire Association Inc
*File 613: File 613 now contains data from 5/99 forward.
Archive data (1987-4/99) is available in File 813.
  File 624:McGraw-Hill Publications  1985-2002/Sep 24
        (c) 2002 McGraw-Hill Co. Inc
  File 634:San Jose Mercury   Jun 1985-2002/Sep 24
        (c) 2002 San Jose Mercury News
  File 636:Gale Group Newsletter DB(TM)  1987-2002/Sep 25
        (c) 2002 The Gale Group
  File 810:Business Wire  1986-1999/Feb 28
        (c) 1999 Business Wire
  File 813:PR Newswire  1987-1999/Apr 30
        (c) 1999 PR Newswire Association Inc

      Set  Items  Description
      ---  -----  -----------
?s (building or facility or house) and terminal (5n) replac?????
Processed  10 of  16 files ...
Processing
Completed processing all files
         4116990  BUILDING
         2289817  FACILITY
         3320319  HOUSE
          626850  TERMINAL
         2624586  REPLAC?????
            5558  TERMINAL(5N)REPLAC?????
      S1    2177  (BUILDING OR FACILITY OR HOUSE) AND TERMINAL (5N)
                  REPLAC?????
?s s1 and point (2n) address
            2177  S1
         4116544  POINT
         2282187  ADDRESS
            3072  POINT(2N)ADDRESS
      S2       0  S1 AND POINT (2N) ADDRESS
?s s1 and control???? (3n) (replac????? or switch???)
Processing
Processed  10 of  16 files ...
```

```
Completed processing all files
            2177  S1
         6952275  CONTROL????
         2624586  REPLAC?????
         1675071  SWITCH???
           66962  CONTROL????(3N)(REPLAC????? OR SWITCH???)
      S3     156  S1 AND CONTROL???? (3N) (REPLAC????? OR SWITCH???)
?s s3 and computer
            156  S3
         6669187  COMPUTER
      S4      84  S3 AND COMPUTER
?s s4 not py>2000
             84  S4
       14465632  PY>2000
      S5      75  S4 NOT PY>2000
?RD
...examined 50 records  (50)
...completed examining records
      S6      56  RD (unique items)
```

```
?s monitor??? (5n) replac????? and monitor??? (s) (house or building or facility)
Processing
Processed  10 of  16 files ...
Completed processing all files
         2196067  MONITOR???
         2624586  REPLAC?????
            6600  MONITOR???(5N)REPLAC?????
         2196067  MONITOR???
         3320319  HOUSE
         4116990  BUILDING
         2289817  FACILITY
           98606  MONITOR???(S)((HOUSE OR BUILDING) OR FACILITY)
      S7     504  MONITOR??? (5N) REPLAC????? AND MONITOR??? (S) (HOUSE OR
                  BUILDING OR FACILITY)
?s s7 and computer (s) monitor???
Processed  10 of  16 files ...
Processing
Completed processing all files
             504  S7
         6669187  COMPUTER
         2196067  MONITOR???
          177381  COMPUTER(S)MONITOR???
      S8     194  S7 AND COMPUTER (S) MONITOR???
?s s8 and replac????? (s) (equipment or terminal)
Processed  10 of  16 files ...
Processing
Completed processing all files
             194  S8
         2624586  REPLAC?????
         7652559  EQUIPMENT
          626850  TERMINAL
          134074  REPLAC?????(S)(EQUIPMENT OR TERMINAL)
      S9      55  S8 AND REPLAC????? (S) (EQUIPMENT OR TERMINAL)
?s s9 not py>2000
              55  S9
        14465632  PY>2000
     S10      49  S9 NOT PY>2000
?RD
...completed examining records
     S11      41  RD (unique items)
```

```
?s control???? (5n) replac????? and replac????? (5n) (terminal or equipment)
Processing
Processed  10 of  16 files ...
Processing
Completed processing all files
         6952275  CONTROL????
         2624586  REPLAC?????
           28067  CONTROL????(5N)REPLAC?????
         2624586  REPLAC?????
          626850  TERMINAL
         7652559  EQUIPMENT
           56311  REPLAC?????(5N)(TERMINAL OR EQUIPMENT)
     S12    1761  CONTROL???? (5N) REPLAC????? AND REPLAC????? (5N)
                  (TERMINAL OR EQUIPMENT)
?s s12 and (building or house or home or facility) (5n) (management or control???? or r
eplac?????)
Processing
Processing
Processing
Processed  10 of  16 files ...
Processing
Completed processing all files
            1761  S12
         4116990  BUILDING
         3320319  HOUSE
         5841800  HOME
         2289817  FACILITY
        10921530  MANAGEMENT
         6952275  CONTROL????
         2624586  REPLAC?????
          383152  (((BUILDING OR HOUSE) OR HOME) OR
                  FACILITY)(5N)((MANAGEMENT OR CONTROL????) OR REPLAC?????)
     S13     357  S12 AND (BUILDING OR HOUSE OR HOME OR FACILITY) (5N)
                  (MANAGEMENT OR CONTROL???? OR REPLAC?????)
?s s13 and computer
             357  S13
         6669187  COMPUTER
     S14     135  S13 AND COMPUTER
?s s14 not py>2000
             135  S14
        14465632  PY>2000
     S15     123  S14 NOT PY>2000
?RD
...examined 50 records  (50)
...examined 50 records  (100)
...completed examining records
     S16      99  RD (unique items)
```

```
?s monitor??? (5n) (building or facility or house or home or warehouse)
Processing
Processing
Processed  10 of  16 files ...
Processing
Completed processing all files
         2196067  MONITOR???
         4116990  BUILDING
         2289817  FACILITY
         3320319  HOUSE
         5841800  HOME
          479105  WAREHOUSE
     S19   42896  MONITOR??? (5N) (BUILDING OR FACILITY OR HOUSE OR HOME OR
                  WAREHOUSE)
?s replac????? (10n) (building or facility or house or home or warehouse)
Processing
Processing
Processed  10 of  16 files ...
Completed processing all files
         2624586  REPLAC?????
         4116990  BUILDING
         2289817  FACILITY
         3320319  HOUSE
         5841800  HOME
          479105  WAREHOUSE
     S20  104348  REPLAC????? (10N) (BUILDING OR FACILITY OR HOUSE OR HOME
                  OR WAREHOUSE)
?s s19 and s20
           42896  S19
          104348  S20
     S21     726  S19 AND S20
?s s21 and computer (5n) (control???? or central or center)
Processing
Processing
Processing
Processed  10 of  16 files ...
Processing
Completed processing all files
             726  S21
         6669187  COMPUTER
         6952275  CONTROL????
         4198334  CENTRAL
         3852648  CENTER
          247816  COMPUTER(5N)((CONTROL???? OR CENTRAL) OR CENTER)
     S22      64  S21 AND COMPUTER (5N) (CONTROL???? OR CENTRAL OR CENTER)
?s s22 and computer (s) replac?????
Processed  10 of  16 files ...
Processing
Completed processing all files
              64  S22
         6669187  COMPUTER
         2624586  REPLAC?????
           90601  COMPUTER(S)REPLAC?????
     S23      18  S22 AND COMPUTER (S) REPLAC?????
?s s23 not py>2000
              18  S23
        14465632  PY>2000
     S24      16  S23 NOT PY>2000
?RD
...completed examining records
     S25      12  RD (unique items)
```

18/9,K/1 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire

00935320 20030217PHM006 (THIS IS THE FULLTEXT)
Agere Systems Announces World's Fastest Network Processor
PR Newswire
Monday, February 17, 2003 00:02 EST
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,535

TEXT:
ALLENTOWN, Pa., Feb. 17 /PRNewswire-FirstCall/ - Agere Systems (NYSE: AGR.A, AGR.B) today announced the world's fastest network processor that integrates four separate chips into one. This next generation network processor, called the PayloadPlus(R) APP540, makes possible revolutionary improvements in product development costs, service revenue capabilities, and reliability of communications network **equipment** for the next several years.

Agere's **new** chip can reduce product development costs -- a critical metric in the current cash-con strained market -- by at least 50 percent compared with the nearest contending chips.

Korea-based Electronics and Telecommunications Research Institute (ETRI), one of the world's leading information technology research and development organizations, has selected Agere's **new** APP540 network **processor** as the key engine for creating Korea Telecom's country-wide next generation network. ETRI, which has a long-standing relationship with Agere, has been instrumental in enabling Korea to achieve the highest percentage of broadband connections to citizens of any country in the world.

Agere's key technical breakthrough centers on integrating four separate devices -- programmable traffic manager, multi-field classifier search engine, network processor, and Ethernet media access controller (MAC) -- into a single device capable of processing information at speeds of 5 gigabits per second (Gbits/s). Competing products require at least two chips, and in several cases three or more, to perform these four different functions at comparable speeds.

Using fewer chips decreases electronics costs, power consumption, and equipment size, as well as increases reliability.

Classification, traffic management, and network processing function like three different traffic police officers working in unison with separate yet inter-dependent functions. The classifier determines what should be done with the voice, data, or video information entering communications equipment. The network processor obeys processing and forwarding directions the classifier gives it. Robust traffic management helps control the flow of information exiting the network processor to most efficiently use the available bandwidth.

Robust traffic management, which supports true bandwidth and delay guarantees to 8,192 queues or more of individually scheduled streams of traffic, is important to support high-value service-level agreements for telecom carriers.

The Ethernet MAC allows direct connection to Ethernet, the world's most

popular form of data communications.

Roughly one-fourth the size of a credit card, Agere's APP540 chip is part of Agere's growing family of integrated Payload Plus network processors, traffic management and system software solutions used in communications equipment platforms. The PayloadPlus family has been selected for use in more than 70 system designs, more than half of which are top-tier manufacturers of communications equipment. In the multi-service equipment chip business, Agere possesses greater than 50 percent market share of the top-tier customers.

"Now more than ever, the communications equipment and service markets care about reducing capital and operations costs, rapidly and easily deploying new revenue generating services, and offering quick, simple, and flexible access to services over current and future networks," said Linley Gwennap, principal analyst with The Linley Group, a California-based semiconductor technology research company. "Agere's new highly integrated solution offers substantial cost reduction and programmability benefits that will maximize the value service providers can extract from their network investments.

"Agere is a leader in traffic management, having developed several generations of successful products," Gwennap added. "This technology puts the company in a strong position as traffic management becomes integrated into the network processor."

According to Ryan, Hankin, and Kent, a market research company, Agere ranks first in the world in sales of traffic management chips.** "Building chips that do network processing but not traffic management is like building a road system without traffic signals such as stoplights and yield signs," said John Rolfe, marketing manager with Agere Systems.

"Recognizing the challenging environment in the communications market, Agere has been investing in advanced system chips targeted at platforms that can be consolidated and re-used across various equipment," said Mark Pinto, vice president of Agere's network processor business. "Our customers keep coming back to us with the same messages: cost reduction, multi-service revenue generation, and better reliability -- all provided in fewer and more flexible platforms. That's what this new integrated chip is all about."

Agere's PayloadPlus chips are used in various types of corporate office building and telecommunications central office **equipment** . Such **equipment** includes multi-service provisioning platforms and **switches** , routers, data center **switches** , 2.5-generation and third-generation wireless **equipment** , Ethernet over Synchronous Optical Network (SONET) /Synchronous Digital Hierarchy (SDH) add/drop multiplexers, and SONET transmission systems.

"There is some ambiguity in the industry around what exactly is a network processor," said Agere's Pinto. "Some think it's a general purpose micro processor with networking interfaces and large data buffers. Some call it a look-up engine. Others a traffic manager. Still others consider it a segmentation and reassembly controller engine. Agere Systems believes network processors require the interworking of all of the above, as embodied in the single chip APP540.

"As an alternative, the industry could define the collection of chips, that perform traffic management, classification, and other network

processor
functions, required in a given system as traffic processors," Pinto added. "Because that's what the chips do, process traffic. The APP500 family offers
the full range of these functions in single chips, thereby lowering development costs, power and size of equipment."

Agere's APP540 chip uses external dynamic random access memory (DRAM) chips to house classification **tables** and rules. Competitors use content **addressable** memory (CAM) or static random access memory (SRAM) chips. In a
cost per information bit comparison, CAMs are more than 100 times more expensive and consume more power than DRAMs. Agere didn't just integrate four
devices and memory on a single chip. Rather, it developed an architecture that
takes advantage of all the various functions and inter-dependencies of those
functions onto a single device.

As part of Agere's broad portfolio of network processor-based solutions,
Agere also provides a high-level, application-oriented software programming environment. This environment, which can reduce both the complexity and size
of software code required by a factor of 25 or more, is included in Agere's Festino(TM) comprehensive hardware and software development platform. Equipment makers using Festino can deliver their product to market several months faster and accomplish in days what would normally take them months using alternative technologies. Furthermore, the reduction in software complexity and size can save millions of dollars in software-related costs over the life of the equipment.

Agere Systems is also announcing today the PayloadPlus APP520 chip, which
is essentially the same device as the APP540 yet targeted at lower-cost applications. Agere's two new chips are completely designed and ready for manufacturing now. They are scheduled to start sampling to customers in April.
In quantities of 10,000, the chips are priced at $295 and $195 respectively.

For more product information, customers may call the Agere Systems Customer Response Center, 1-800-372-2447, Dept. B02 (in Canada, 1-800-553-2448, Dept. B02, fax number 1-610-712-4106, especially for callers outside of
North America) or write to Agere Systems, Room 10A-301C, 1110 American Parkway
NE, Lehigh Valley Central Campus, Allentown, Pa. 18109. Customers may also go
to the following web site: http://www.agere.com/micro/his or email: docmaster@agere.com.

Agere Systems is a premier provider of advanced integrated circuit solutions that access, move and store network information. Agere's access portfolio enables seamless network access and Internet connectivity through its industry-leading WiFi/802.11 solutions for wireless LANs and computing applications, as well as its GPRS offering for data-capable cellular phones.
The company also provides custom and standard multi-service networking solutions, such as broadband Ethernet-over-SONET/SDH components and wireless
infrastructure chips, to move information across metro, access and enterprise
networks. Agere is the market leader in providing integrated circuits such as
read-channel chips, preamplifiers and system-on-a-chip solutions for high-density storage applications. Agere's customers include the leading PC manufacturers, wireless terminal providers, network equipment suppliers and hard-disk drive providers. More information about Agere Systems is available

from its Web site at http://www.agere.com.

Agere's Forward-Looking Statements

This release contains forward-looking statements based on information available to Agere as of the date hereof. Agere's actual results could differ materially from the results stated or implied by such forward-looking statements due to a number of risks and uncertainties. These risks and uncertainties include, but are not limited to, keeping pace with technological change, dependence on new product development, price and product competition, availability of manufacturing capacity, customer demand for our products and services, general industry and market conditions, timely completion of employment reductions and other restructuring and consolidation activities, limits on our ability to issue equity to raise capital and reliance on major customers and suppliers. For a further discussion of these and other risks and uncertainties, see our annual report on Form 10-K for the fiscal year ended September 30, 2002. Agere disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

* ETRI
** Ryan, Hankin, and Kent

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Web site: http://www.agere.com

COMPANY NAMES: Agere Systems; KOREA TELECOM CORP; KOREA TELECOMMUNICATION AUTHORITY; LINLEY GROUP INC; LINLEY INC; LINLEY BROTHERS LTD; LINLEY LTD
INDUSTRY NAMES: CORPORATE; MARKETING; NEW PRODUCT DEVELOPMENT; COMMUNICATIONS TECHNOLOGIES; COMPANY PROFILES; COMPUTER HARDWARE; COMPUTER MEMORY; COMPUTER SOFTWARE; COMPUTERS; DATA COMMUNICATIONS; ECONOMIC DEVELOPMENT; ECONOMIC INDICATORS; ELECTRONIC COMPONENTS; ELECTRONICS INDUSTRY; INFRASTRUCTURE; INTERNET; MICROCHIPS; MOBILE COMMUNICATIONS; NETWORKS; RADIO COMMUNICATION; RESEARCH AND DEVELOPMENT; SCIENCE; SEMICONDUCTORS; TECHNOLOGY DEVELOPMENT; TELECOMMUNICATIONS; TRAFFIC; TRANSPORT
EVENT NAMES: PRODUCT LAUNCHES; NEW PRODUCT DEVELOPMENT; ADVERTISING AND PROMOTION; CORPORATE FINANCIAL DATA; MANUFACTURING AND PRODUCTION; MARKET RESEARCH; PRODUCT APPLICATIONS; PRODUCTIVITY; RESEARCH AND DEVELOPMENT; TECHNOLOGY DEVELOPMENT

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